

Terminal Learning Objective

**React to a
“Possible Improvised
Explosive Device (IED)”**

DESTROYED VEHICLE



ROADSIDE IED



DEFINITION

Improvised Explosive Device (IED)

A nonstandard device usually fabricated from common materials. It may incorporate explosives, captured enemy ammunition (CEA), destructive, lethal, noxious, or pyrotechnic chemicals.

The bombers imagination is the only limitation in IED construction.

PLASTIC BOTTLE IED

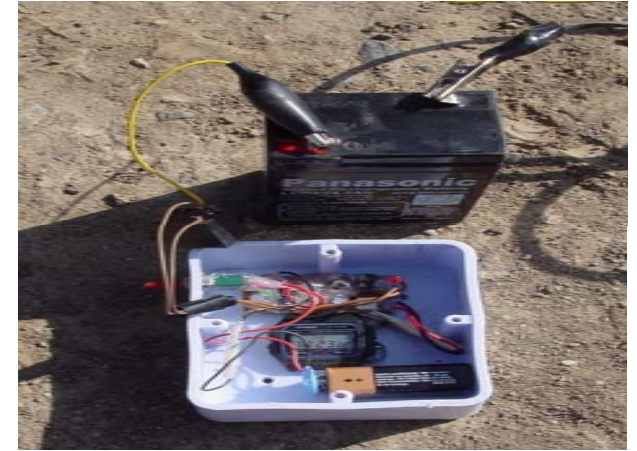


IED EXAMPLES

Modified
Pepsi Cola
aluminum
can with
pyrotechnic
fuse



Detonator
with watch
inside



Projectile
embedded
in plaster of
paris (POP)
housing to
simulate
concrete
covered with
grass



Modified
Mortar with
Grenade
fuze
attached to
trip wire



EXAMPLES



105 mm Projectile concealed
by rocks on the road side



Improvised directional explosive
device in clear plastic trash bag

EXAMPLES (cont)



Motorcycle with two Anti-Tank (AT) Landmines concealed under the seat

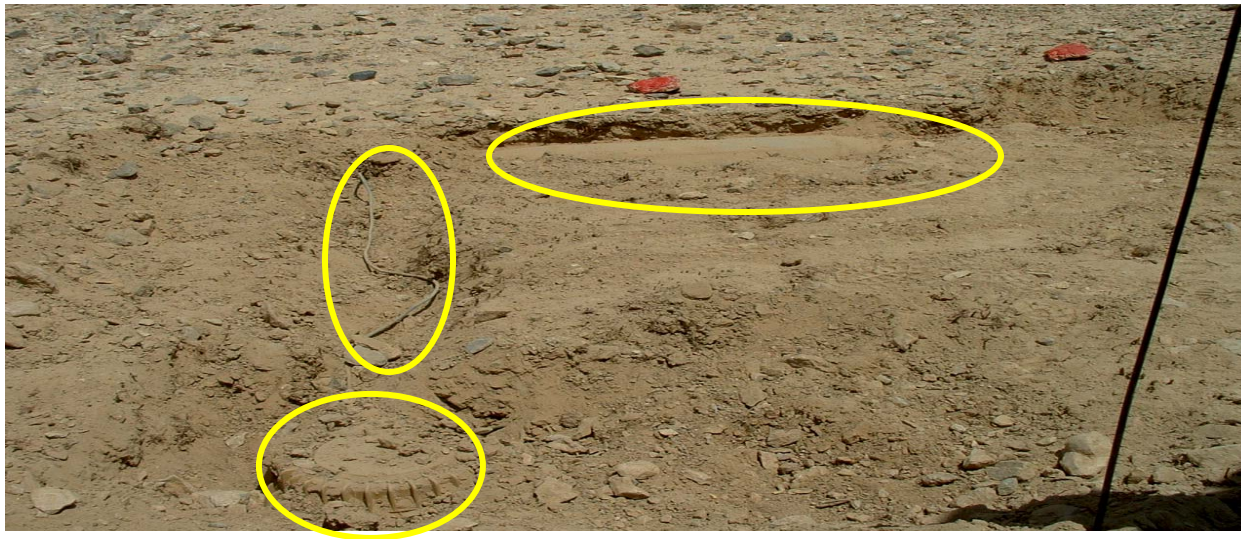


Vehicle bomb strewn with approximately 300 lbs of explosive

ANTI-TANK MINE



TC-6 anti-tank
(AT) Landmine
attached to
former Soviet
Union FAB-250
high explosive
(HE) bomb



IED AREAS

Choke Points



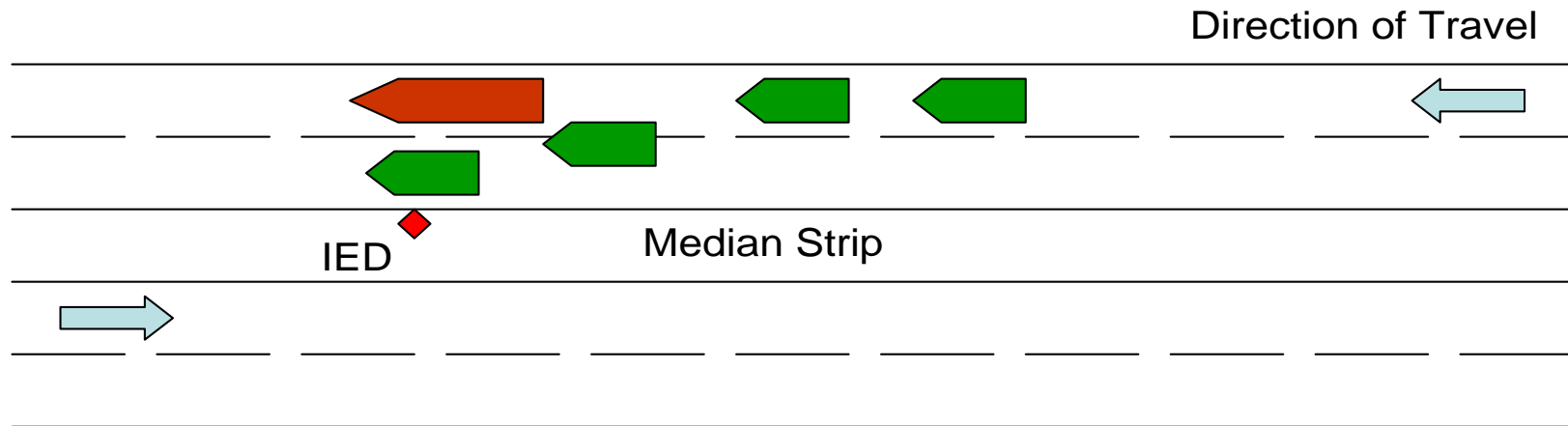
Brushy areas



Broken Down Vehicle

The “Broken Down Vehicle” IED Attack

“Broken Down / Disabled” vehicle channels / forces
convoy toward IED

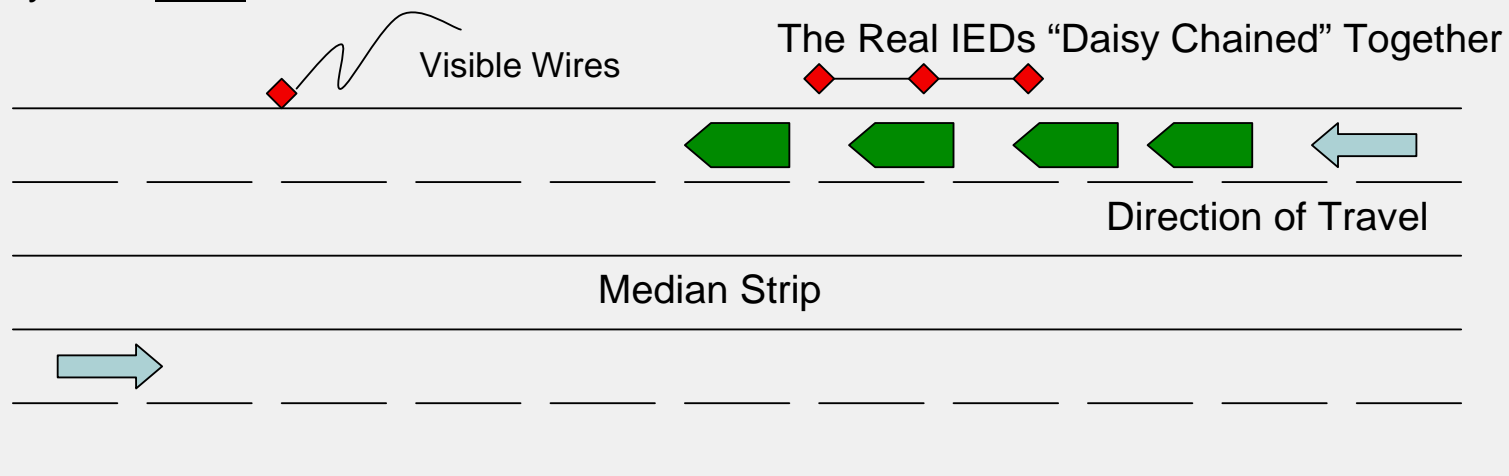


Fiendishly Clever

The “Fiendishly Clever” IED Attack

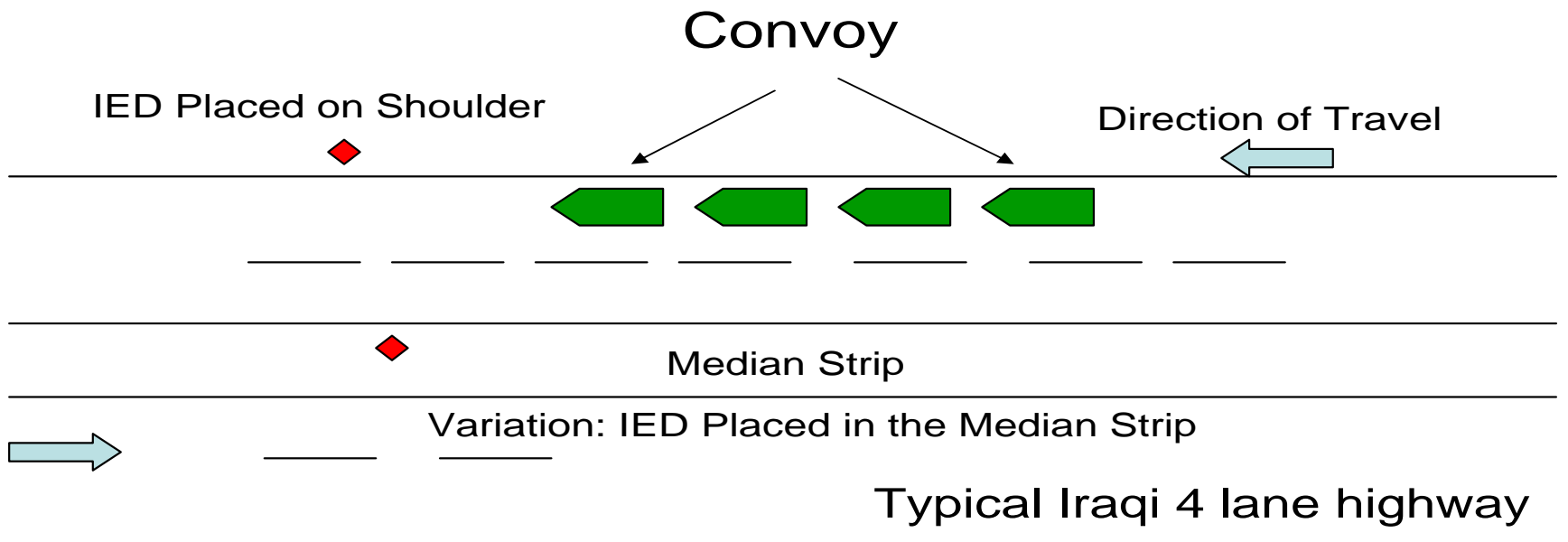
Lead vehicle sees fake IED and stops. The convoy stops behind it. Real IEDs are on the flanks of the stopped convoy and command detonated

Easily seen **Fake** IED

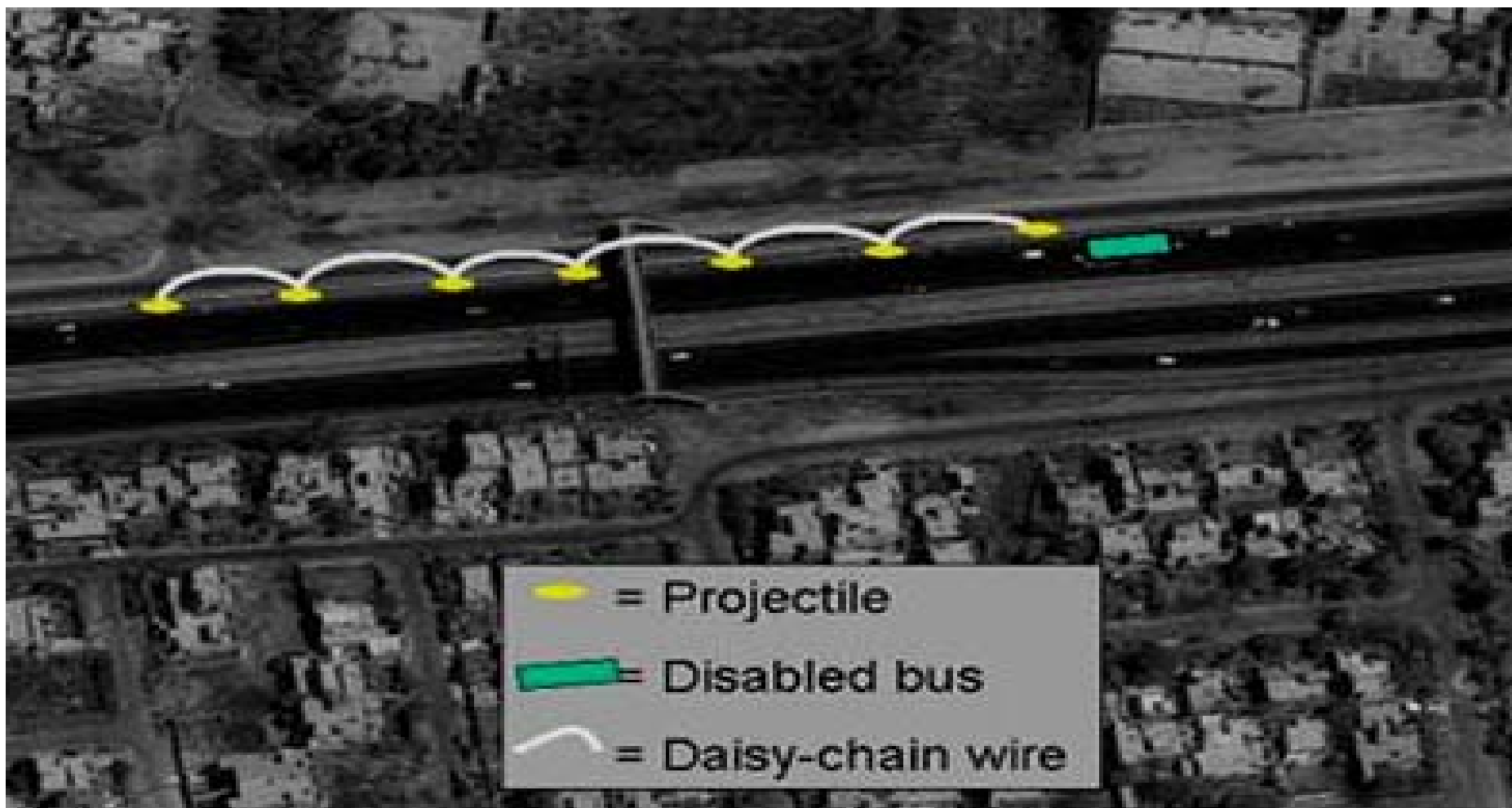


No Frills

The Basic “No Frills” IED Attack



Daisy Chain



ICE HOUSE



Ice House located 2BCT, 4ID
IED was reported by the 588th ENG at approx. 1600 02Jul 03.
Ba'Quabah, Iraq
Locals had reported that a taxi had
stopped and dropped off a explosive device

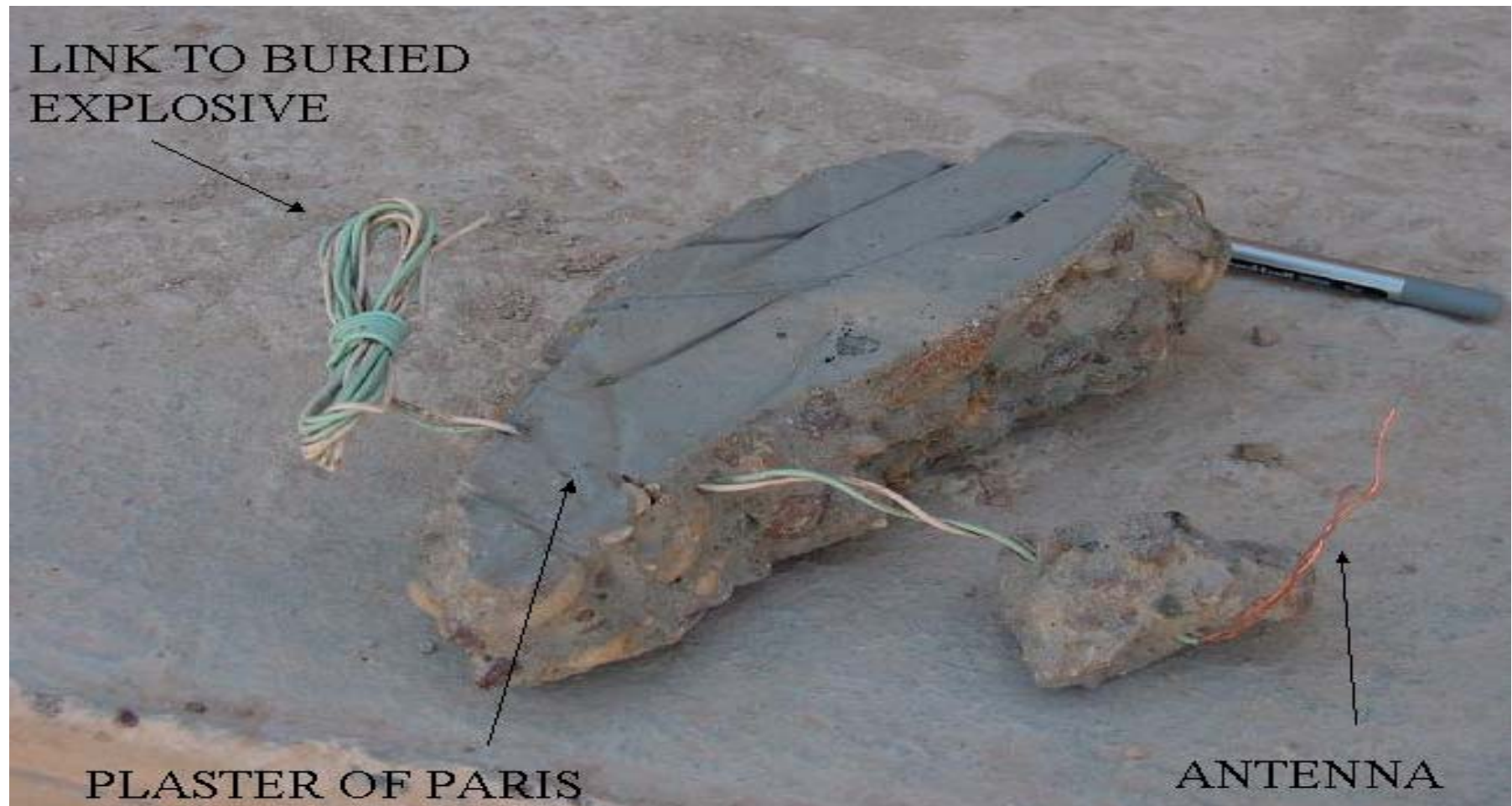
IEDs Used In The Afghanistan Theater Of Operation



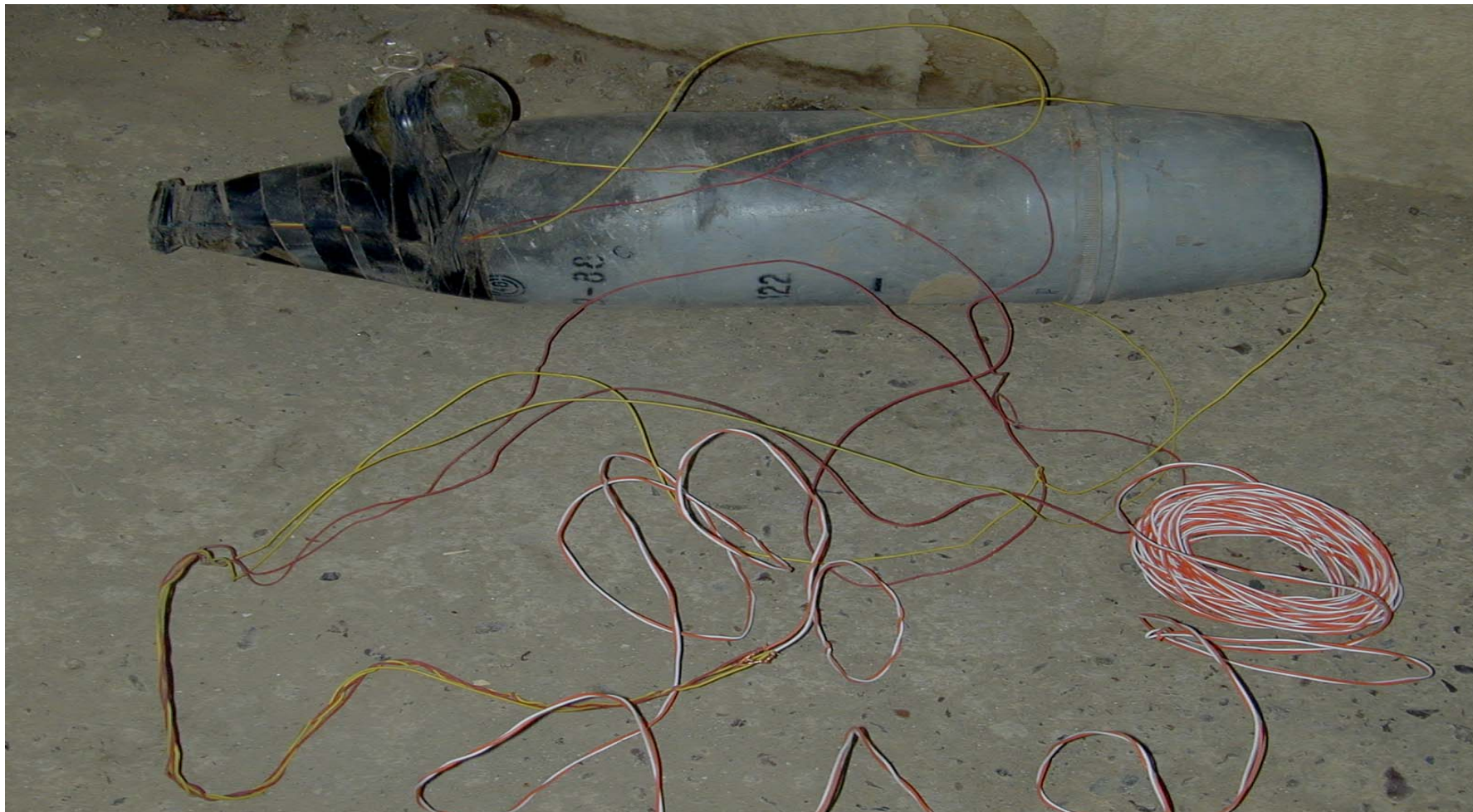
IEDs IN AFGHANISTAN (cont)



IEDs Used In The Iraq Theater Of Operation



IEDs Used In The Iraq Theater Of Operation (cont)



Suspect Rather Than Ignore

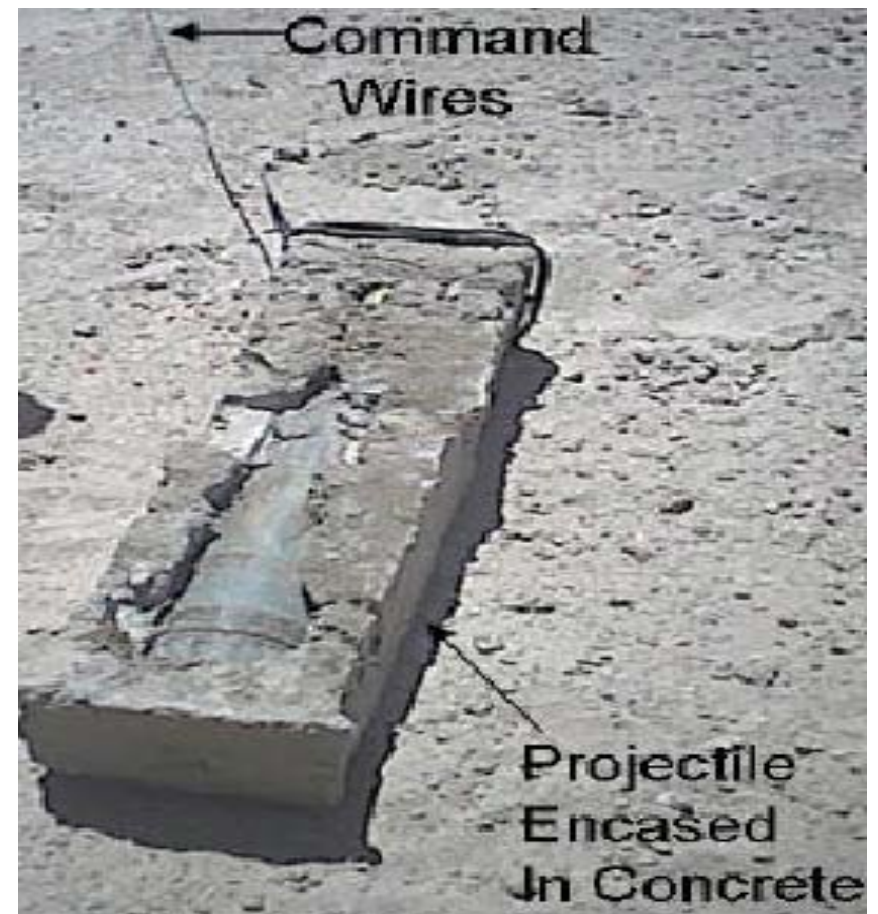


Steel container with “home made” explosives

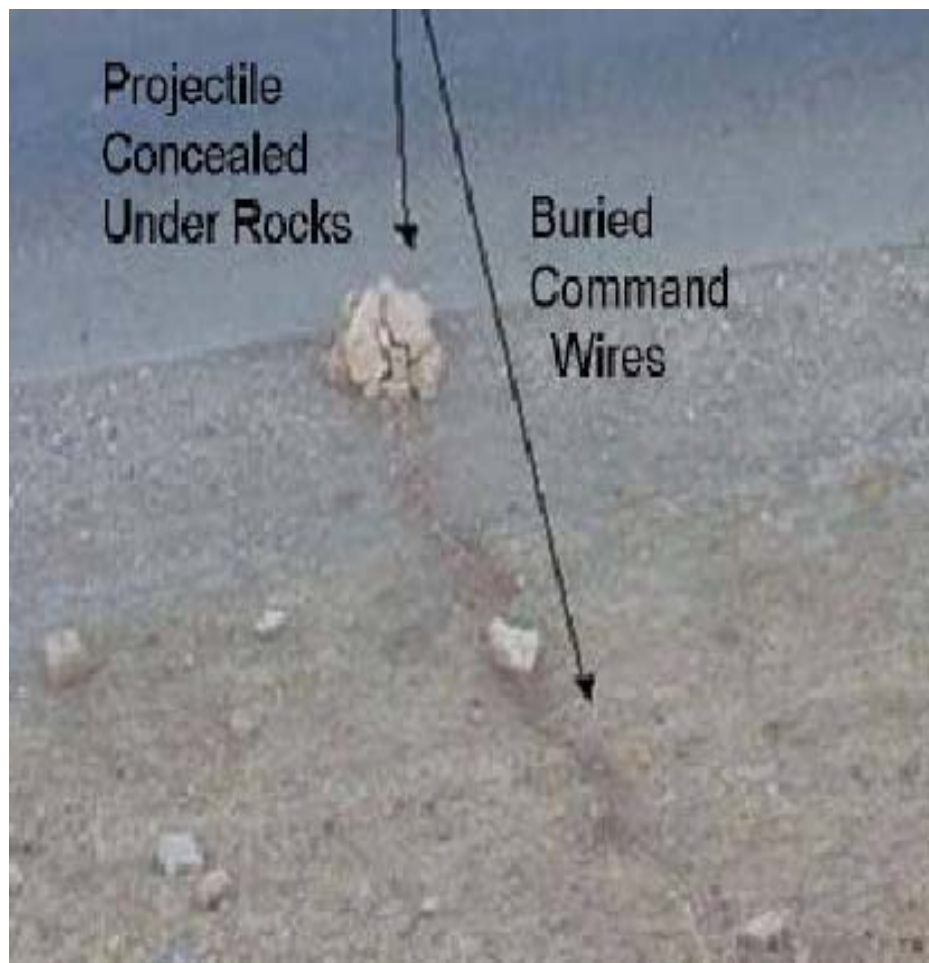
Wear Protective Equipment





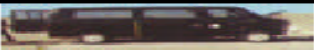



REACT TO A POSSIBLE IED



REACT TO A POSSIBLE IED (cont)



Enemy's Capabilities and Available Resources

	Threat Description		Explosives Mass (TNT equivalent)	Building Evacuation Distance	Outdoor Evacuation Distance
High Explosives (TNT Equivalent)		Pipe Bomb	5 lbs 2.3 kg	70 ft 21 m	8300 ft 259 m
		Suicide Belt	10 lbs 4.5 kg	90 ft 27 m	1,080 ft 330 m
		Suicide Vest	20 lbs 9 kg	110 ft 34 m	1,360 ft 415 m
		Briefcase/Suitcase Bomb	300 lbs 23 kg	1300 ft 46 m	1,8300 ft 564 m
		Compact Sedan	3000 lbs 227 kg	320 ft 98 m	1,3000 ft 457 m
		Sedan	1,000 lbs 454 kg	400 ft 122 m	1,7300 ft 534 m
		Passenger/Cargo Van	4,000 lbs 1,814 kg	640 ft 195 m	2,7300 ft 838 m
		Small Moving Van/Delivery Truck	10,000 lbs 4,536 kg	860 ft 263 m	3,7300 ft 1,143 m
		Moving Van/Water Truck	30,000 lbs 13,608 kg	1,240 ft 375 m	6,3000 ft 1,982 m
		Semi trailer	60,000 lbs 27,216 kg	1,570 ft 475 m	7,000 ft 2,134 m
	Threat Description		LPG Mass/Volume	Fireball Diameter	Safe Distance
Liquefied Petroleum Gas (LPG - Butane or Propane)		Small LPG Tank	20 lbs/5 gal 9 kg/19 lb	40 ft 12 m	160 ft 48 m
		Large LPG Tank	100 lbs/25 gal 45 kg/95 lb	69 ft 21 m	276 ft 84 m
		Commercial/Residential LPG Tank	2,000 lbs/3000 gal 907 kg/1,893 lb	184 ft 56 m	736 ft 224 m
		Small LPG Truck	8,000 lbs/2,000 gal 3,630 kg/7,570 lb	292 ft 89 m	1,168 ft 356 m
		Semi tanker LPG	40,000 lbs/10,000 gal 18,144 kg/37,8300 lb	499 ft 152 m	1,996 ft 608 m

Standard 9-Line UXO Report

- Line 1**: Date time group discovered: (Command policy will dictate Local or Zulu time).
- Line 2**: Reporting activity: UIC / Unit Designation, Location (8-digit grid - Include landmarks and reference points).
- Line 3**: Contact Method: (Radio Freq / Call Sign or Telephone number If using telephone number provide point of contact).
- Line 4**: Type of Munition: (Dropped, Projected, Placed or Thrown).
- Line 5**: NBC Contamination: (Yes or No, known or suspected NBC contamination. If Yes, report type of agent if known / identified).
- Line 6**: Resource Threatened: (What resource – is it a critical asset?).
- Line 7**: Impact on Mission: (How the UXO is affecting the mission).
- Line 8**: Protective Measures Taken: (Unit emplaced protective measures).
- Line 9**: Recommended Priority: (Immediate, Indirect, Minor, or No Threat).

EXAMPLE OF UXO REPORT

Line 1: 121300LMAR98

Line 2: 1-75th Infantry Bn, C-Co, EP2134567891, 350 meters south of grid referenced road junction

Line 3: 49.7000, Tripwire 60 or 1-800-435-6789 SFC Snuffy

Line 4: Placed, Possible Improvised Explosive Device (IED)

Line 5: None

Line 6: MSR Speedway

Line 7: Unit cannot conduct resupply operations, MSR is impassable

Line 8: Constructed sandbag barricade and evacuated non-essential personnel 300M. Mission essential personnel are in protective gear and utilizing frontal and overhead cover.

Line 9: Immediate

Minimum Required Reporting Information

Proper format is not as important as getting the information to the higher HQ.

- (a) “*Who*” discovered the item (Point of Contact).
- (b) “*What*” item is (Type / Sub-group).
- (c) “*Where*” the UXO is (Location / Grid 8-digit minimum).
- (d) “*When*” the discovery of the item occurred.
- (e) Recommended priority (Immediate, Indirect, Minor, or No Threat)